

Miscellaneous Notes on the *Symplocaceæ* of Eastern Asia

by

Sumihiko HATUSIMA

初島住彦：東亞灰木科植物雜記

灰木科植物＝關スル研究ハ既ニ 1712 年ニカノ有名ナ KAEMPFER ガ我國産ノ
くろきニ就テ略記シタルヲ嚆矢トシ、5 年後ノ 1717 年ニハ PAUL HERMANN ガ
印度産ノ *Bobua spicata* ニ *Bobu* ナル樹名ヲ與ヘ、次デ 1731 年ニハ CATESBY
ニヨツテ北米唯一ノ灰木科植物デアル *Symplocos tinctoria* ガ記載セラレタ。
其後漸次南米方面ニ於テ多數ノ種類ガ記載セラレタガ東洋デハ大分遅レ 1814
年ニ ROXBURGH ガ始メテ 3 種ヲ記載シタ。其後兩地域ニテ多クノ種類ガ發表
サレ現今デハ既ニ 300 種ヲ超過スル状態デアル。然ルニ一方屬ノ分類ヲ見ルト
是迄數人ノ學者ニヨリ幾多ノ新屬創設サレタガ大部分ハ根據薄弱ノタメ一般ニ
認メラズ依然トシテ *Symplocos* ナル一屬ヲ固持スル學者多ク、殊ニ彼ノ全
世界ノ灰木科植物ヲ纏メテ 1901 年ニ ENGLER ノ Pflanzenreich ニ發表シタ A.
BRAND モヤハリ *Symplocos* 一屬主義デソノ下ヲ雄蕊ノ配列、其他ニ重キヲ置
キ細分シタ。然シ本分類モ現今ノ進歩シタ分類學の見地ヨリ見レバ無理多ク當
然 6〜7 ノ屬ニ分類スルヲ適當ト考ヘル。

本科ノ分類上植物區系ノ問題ヲ考慮ニ入レルコトハ相當重要ナル事ト思ハレ
ル。今世界ニ於ケル灰木科植物ノ分布ヲ見ルニ大體 2 ツノ分布中心區域ヲ求メ
ルコトガ出來ル。即チ一ツハ印度、「マラツカ」群島、「スマトラ」、瓜哇、「ボ
ルネオ」、「ニューギニア」、馬來半島、比律賓、支那及ビ日本ヲ包含スル所謂
東部亞細亞ト中南米、西印度諸島、「メキシコ」等ヲ包ム所謂中南米ノ地域ニ
シテ此等ノ地域ハ植物地理學上全ク異ナル區系ニ屬スルモノデ、從ツテ此等ノ
地域ニテ灰木科植物ハ各々異ナル分科發達ヲナシ、東亞ニハ東亞獨特ノ型ガ發
達シ又中南米ニハ中南米特有ノ型ガ發達シテ來タノデアル。故ニ之等全ク植物
區系ヲ異ニスル地域ニ發達シタ型ヲ無視シテ分類スルトキハソコニ無理ヲ生ズ
ルコトハ當然デアル。然ラバ東亞産ガ中南米産ト異ナル共通點ガアルカト云フ
ニ次ノ様ナ著シイ差點ガ認メラレル。

即チ東亞産デハ子房ハ常ニ 2〜3 室デ一定シテキルガ南米産デハ 3〜5 ノ間

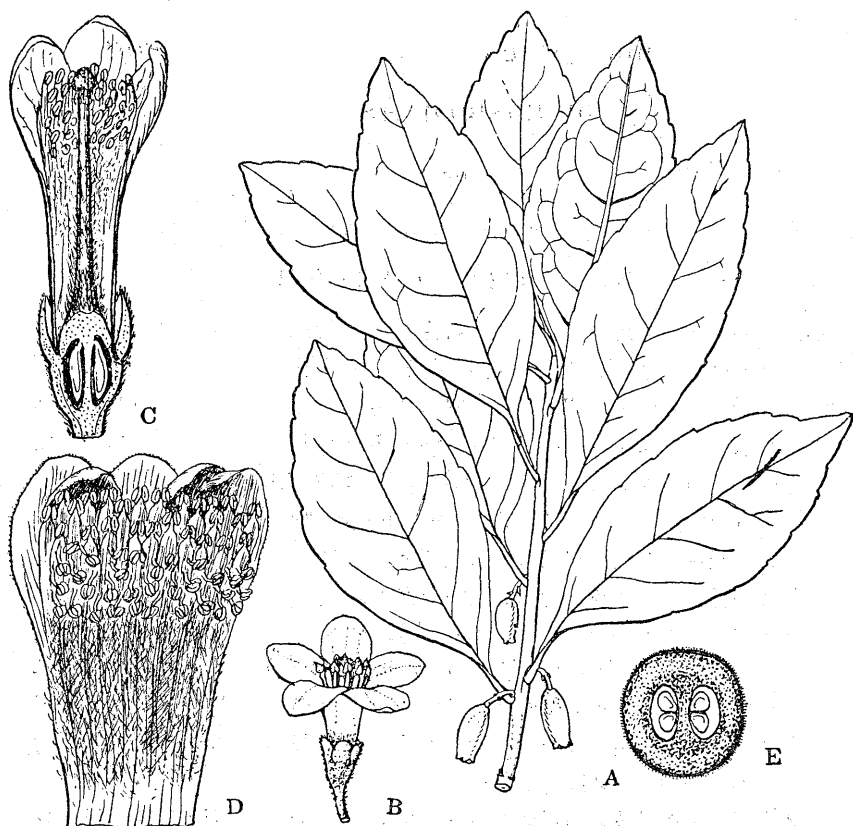


Fig. 1. *Condyloblaste confusa* HATUSIMA みやましろばひ。 A. 實ヲ着ケタル枝 (×2/3). B. 花 (×2). C. 同縦斷 (×4). D. 花冠展開 (×4.5). E. 子房横斷 (擴大)

ヲ動搖シー樹種ノ間デモ一定シテキナイコト、次ニ東亞産デハ雄蕊ハ大體五體雄蕊ヲナスガ南米産デハ一定シテキナイ又東亞産デハ各花ハソノ下方ニ1枚ノ苞ト2枚ノ小苞ヲ必ず有シテキルガ南米産デハ3~6個デ一定シテキナイ等ノ差點ガ認メラレル。此等ノ點ニ關シテハ既ニ LOUREIRO (1790), D. DON (1825), A. P. DE CANDOLLE (1828), MIERS (1879), 其他ノ諸學者モ幾分ナガラ留意シ *Dicalyx*, *Palura*, *Bobua*, *Cordyloblaste* 等ノ屬名ヲ創設シタガ大部分ハ分類據點ノ薄弱ナクメ一般ニハ認メラレナカツタ。然ルニ近年中井博士ハ此等ノ點ニ注意セラレ灰木科植物ハ少クトモ5屬以上ニ分割サルベキモノデ東亞産ハ *Palura*, *Bobua* ノ2屬ニ屬スルトサレタガ次ニ記スやましろばひのき (*Symplocos con-*

fusa) ノ一群モ又 *Cordyloblaste* トシテ一屬ヲ代表スルニ充分ノ資格ヲ有スル様デアル。今ソノ著シキ特徴ヲ擧ゲテ見ルニ先ヅ第一ニ Fig. 1. デ解ル様ニ子房ハ常ニ2室デ有毛、花冠ハ長ク筒狀ニ配合シテキル。次ニ著シイ特徴ハ雄蕊ガ葯ノ附近迄融合シ所謂單體雄蕊ヲ形成シ花筒ニ融着シテキテ更ニソノ花絲ハ扁平デアツテ、腋生ノ花ハ1~5個ノ小數花デ下垂スルモノガ多イコトデアル。上記ノ子房2室、有毛ノ點ハ *Palura* ニモ見ラレルガ其他ノ特徴ハ *Bobua* ニモ見ラレズ只南米產ノ眞ノ *Symplocos* ガ歸屬シテキル所謂 BRAND ノ *Eusymplocos* 中ノ *Symplocastrum* 節ノモノニ極メテ近イガ彼デハ雄蕊筒ノ三分ノ一遊離シテキテ子房ハ常ニ3~4室デ2室トナラナイ點デ區別出來ル。元來眞ノ *Symplocos* ハ既ニ中井博士モ指摘サレテキル様ニ JAQUIN ガ 1760 年ニ *Symplocos martinicensis* トシテ記載シタ南米產ノ灰木デ單體雄蕊ト5室中央胎座ヲ有スル子房ト、子房ノ各室ニ3~5個ノ卵子ヲ有スルモノデアル。

例ニヨツテ 東亞產灰木類ノ屬ノ檢索表並ニ學名ノ整理ヲスルト次ノ如クナル。

Cordyloblaste HENSCHEL ex MORITZI in Bot. Zeit. 6 (1846) 604

Syn. *Cordyloblaste* (Sectio) BENTHAM et HOOKER f, Gen. Pl. II (1876) 669
-HOOKER et JACKSON, Ind. Kew. tom. I (1893) 616-A. BRAND, Symplocaceæ
in ENGLER, Pflanzenreich, Heft. 6 (1901) 88.

Flores axillares in racemis paucifloris (1-4) v. in capitulis plurifloris, sæpissime penduli, petala alte connata, stamina usque vel ad antheras connata monadelphæ, filamentis complanatis ultra insertionem in tubum apice truncatum corollæ tubo longiorem connatis, antheris numerosis parvis intra partem superiorem tubi staminei irregulariter multiseriatis breviter stipitatis. Ovarium biloculare pilosum in quoque loculo 2. Folia biennia utrinque glabra, costa supra impressa. Species 6 in Asiæ tropicæ incolæ quarum unica tantum in Formosa et Liukiu incola.

1. Inflorescentia in apice rami hornotini terminalis paniculati. Ovarium biloculare. Folia annua aestivatione falcato-convoluta. Flores polygami. Semina et Embryo incurva. **Palura**

1'. Inflorescentia axillaris racemosa, spicata v. glomerota. Ovarium bi-v. triloculare. Folia biennia, aestivatione convoluta. Flores hermaphroditi. Semina et Embryo recta. 2

2. Petala alte connata. Stamina usque v. fere usque ad antheras connata;

tubus stamineus cum tubo corollæ coalitus, filamenta complanata. Inflorescentia pauciflora sæpissime pendula. Ovarium biloculare. pilosum.

..... **Cordyloblaste**

2'. Corolla ad basin fere partita. Stamina obsolete v. distincte pentadelpa, filamenta filiformia. Ovarium triloculare glabrum. **Bobua**

Cordyloblaste confusa (A. BRAND) HATUSIMA, comb. nov.

Syn. *Symplocos Henschelii* (non BRAND) BENTHAM et HOOKER, f. ex CLARKE in HOOKER, Fl. Brit. Ind. III (1882) 588, excl. syn.

Symplocos confusa BRAND, Symplocaceæ in ENGLER, Pflanzenreich VI (1901) 88 et Bull. Herb. Boiss. II.-6 (1909) 750 et Philipp. Journ. Sci. 3 (1908) Bot. 3 et 7 (1912) Bot. 31-HAYATA, Fl. Mont. Formos. (1908) 153-KANEHIRA, Formos. Trees (1917) 352 cum fig.-MERRILL, Enum. Philipp. Fl. Pl. III (1923) 297-MAKINO et NEMOTO, Fl. Jap. ed. 2 (1931) 918-K. MORI in Sylvia T-4 (1934) 223.

Bobua confusa (BRAND) KANEHIRA et SASAKI, SASAKI List. Pl. Formos. (1928) 330.

Symplocos Sonaharai KOIDZUMI, Pl. Nov. Amami-Ohsima. (1928) 6-MAKINO et NEMOTO, Fl. Jap. ed. 2 (1931) 923-KOIDZUMI in Acta Phytotax. et Geobot. 1-2 (1932) 166, **syn. nov.**

Bobua Sonaharai KOIDZUMI, Pl. Nov. Amami-Ohsim. (1928) 6.

Nom. Nipp. Miyama-sirobai, Rusun, Dosun, Yuwangi.

Distr. Kiusiu (insula Amami-ohsima), Loochoo, Formosa, China austr, Philippin, Malaya, Borneo.

支那ノ中南部産デ外國ノ學者ニヨツテ我國ノしろばひニ當ツテキル灰木ガアルガ之ハしろばひトハ全然異ナル種類デ寧ロ臺灣ノ *Bobua arisanensis* ニ近イモノデアアルガ葉縁ノ鋸齒ガ極メテ小サイコトト葉ガ稍々長橢圓狀トナリ尖端ガ急ニ細ク尖リ、中肋及ビ側脈ガ稍々凸出シテキルノデ直ニ區別出來ル。尙念ノタメ REHDER ニ伺ツテ見タラヤハリ支那デしろばひニ當テ、キルモノハ本種ノ由ニテ此處ニ新品ト認メ記載ヲ附シテ置ク。

Bobua pseudolancifolia HATUSIMA, sp. nov.

Syn. *Symplocos lancifolia* FORBES et HEMSLEY, Ind. Fl. Sin. II (1889) 73-DIELS, Fl. Cent. Chin. in ENGLER, Bot. Jahrb. XXIX (1900) 528-BRAND, Symplocaceæ in ENGLER, Pfl.-Reich. Heft. 6 (1901) 41. no. 60, non SIEBOLD et

ZUCCARINI pro parte.

Symplocos pseudolancifolia HATUSIMA in sched.

Arbor ? Rami fusco-purpurascens, primo hirsuto-pubescentes demum subglabrati, ramulis gracilibus ferrugineo-hirsutus v. subglabratis. Folia tenuiter oblonga 9–11 cm. longæ 3–3.5 cm. lata, apice cuspidato-acuminata basi acuta v. late cuneata, margine crenulato-serrulata, c. enis obtusis brevissimis, basin subintegra. Costis et venis supra leviter elevatis infra elevatis, nervis lateralibus primariis utrinque latere costæ 6–8 angulo 35°–40° a costa egressis, plus minus arcuatis prope margine se reticulatis, in siccitate supra fusco-rubescens glabra subnitida sed ad costas hirsuta, subtus primo fusco-pubescentia demum glabra ad costas parce hirsuta. Petiolis 2–4 mm. longis pilosis supra sulcatis extus convexis. Racemi ad axillas foliolum superiorum solitalii, fusco tomentosi 4–5 cm. longi, a basi usque ad apicem floriferi simplices, pedicellis brevissimis 1–2 mm. longis, bracteis basi pedicelli sitis persistentibus, rotundatis margine ciliolatis 2 mm. longis, dorso fusco-tomentosis, bracteolis sub fructu duabus quam bractæ leviter minoribus, ovato-rotundatis 1.5 mm. longis extus dense villosis intus glabris. Flores ignoti. Fructus prematurus ovatus v. subglobosus 4 mm. longus 3 mm. latus glaber ad apicem calycis lobis 1.2 mm. longis ovato-rotundatis apice obtusis margine ciliatis extus parce pilosis v. glabris coronatus.

The present species was erroneously referred to Japanese *Bobua lancifolia* MIERS, but differs from it by the much larger oblong leaves and the much longer inflorescens. This is most resembling *Bobua arisanensis* (HAYATA) KANEHIRA et SASAKI, but easily distinguishable from it by its more minutely serrulate oblong leaves with a mucronate apex, its elevated costa and veins on the upper surface as well as the different venation.

Hab China ; Lok Chong, Prov. Kwantung (leg. C.L. Tso, no. 20605 ! May, 1929).